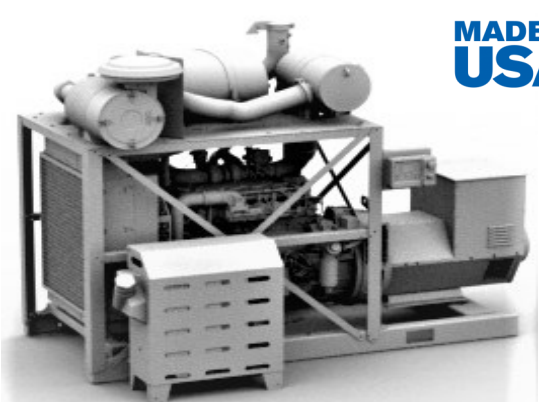


SALES SPECIFICATIONS — 1800 RPM DIESEL GENSETS

Applications: Prime Power, Industrial, Mobile Equipment, Critical APU's

GENSET RATINGS - 60HZ		CF200T4F	CD475T4F	
Spec. No.		CF200T4F-31349	CD475T4F	
Sales Drawing No.		CF200T4F-31349	13866	
3 P H A S E	12-Leads, 3-Phase, 0.8 PF, WYE 240/480V Unit Output Rating	Intermittent	200kW @ 0.8 PF	475kW @ 0.8 PF
		Prime	185kW @ 0.8 PF	440kW @ 0.8 PF
		Continuous	150kW @ 0.8 PF	410kW @ 0.8 PF
	Std. Unit Max. Rated Current Output. (1.) Amps @ 240VAC, 3-ph, 0.8 PF.			706 Amps @ 480V
	A.C. Alternator (2.) Max. Capacity @ 125°C Rise, 240V.,3-ph.,0.8PF, WYE Connection	SKVA - Motor start		1750
		KW Capacity	240.0	475.0
% Efficiency		93.00	94.00	
Engine Specifications				
Diesel Engine with basic components.		Make	FPT	Deutz
		Cylinders	6	V8
		Liters / CID	6.7 / 408	16.0/969
		HP @ 1800 RPM SAE J1349	266.0	675.0
Battery Charging Alternator		Volts DC / Amps	28V / 90A	28V / 90A
Fuel Consumption		100% Cont. Load GPH	10.5	33.7
		50% Load GPH	5.25	16.9
Lube oil change Interval (Typical)		600 hrs.	500 hrs.	
Typical Cold Starting Capability w/ 10W40 Lube Oil		24V Starting aid & uprated Battery	-15°C / (5°F)	-17°C / (1°F)
EPA Emissions Certification		Tier 4F	Tier 4F	
DEF Fluid Requirement		Yes	Yes	
Speed Droop (typical)		1%	1%	
Unit Specifications				
Recommended Battery Size 24V. (CCA)		Normal		2 x 1040
		Uprated		2 x 4D
Recommended 12V Battery type; BCI#				
Average Sound Level		dB(A) @ 1 Meters	93	100
		dB(A) @ 7 Meters	82	86
Unit Size Refer to Stadco Sales Drawings for more details		Length	102.95"	138.00"
		Width	57.62"	54.70"
		Height	73.06"	92.00"
Approx. Unit Weight (Lbs)		4300	11890	

- (1) - **Unit Output Rating** refers to the rating of the engine/generator combination.
 (2) - **A.C. Alternator Max Capacity** refers to the manufacturers rating of the alternator.



MADE IN USA

CF200T4F

AC Power Systems
1800 RPM
Railway or
Commercial Duty

Available Connections - 60Hz.
3-Phase
 -T240 = 240VAC
 -T480 = 480VAC
 -T208 = 208VAC

STANDARD EQUIPMENT		CF200T4F	CD475T4F
Engine - Diesel			
Cooling System		•	•
Air Cleaner, Dry Type		•	•
Oil Filler, Oil & Fuel Filters - Service side accessible		•	•
Cold Start Preheat System 24V. DC		•	•
Fuel Transfer Pump	Electric	•	TBD
Guards: Fan & V-belt		•	•
Exhaust After-Treatment		•	•
Side Oil filler & Oil Drain Hose Kit		•	•
Governor - Electronic		•	•
24V Starting System w/ Battery Charging Alt.		90A	90A
AC Alternator. 4-Pole 1800 RPM			
Brushless Alternator, Direct Coupled, 1-Bearing		•	•
Winding Insulation 40°C Ambient	Class H	•	•
Voltage Regulation - Electronic +/- 1% w/ UFRO		•	•
High Motor Starting Capacity		•	•
24VDC All-Digital Control System			
Key Start & Stop		•	•
Display Protection for: Oil press, Engine Temp, Overspeed, Overcrank, Starter Lockout, Battery Volts, AC Volts & Freq., Hour Meter and Fault Messaging.		•	•
Digital Engine Controller & 10ft. Cord		•	•
Remote Control Capable		•	•
AC Control System			
Main Load Circuit Breaker w/ load terminals		Optional	Optional
Miscellaneous			
Skid Base w/ vibration Isolators and Crash Stop		•	•
Routine Service points on service side		•	•
Operators/Parts/Installation Manuals		•	•
Finish: Signal Gray/Black exterior enamel		•	•
Factory Load tested & QA inspection.		•	•
EPA Emissions Compliance (See Specifications)		•	•

STANDARD EQUIPMENT - DESCRIPTIONS

Digital Control/Protection system, wall enclosure for remote mounting.

Provides engine & generator protection with warning & shutdown via LCD Screen messaging for: Low oil pressure, High engine temperature, Over-crank, Over-speed, High/Low battery voltage, AC Volts, Frequency, and AC Amps. System features an engine controller w/ auto-crank that automatically preheats and cranks engine for a preset period of time. In Auto mode the control system allows for multiple remote stations for convenient in-cab or pump panel starting when generator is inaccessible. The system will also shutdown or prevent genset startup when shore power is detected (control signal must be supplied by installer).

Control system includes: Hourmeter, toggle power switch, 12VDC circuit breaker, 10 ft. control cord with weather-tight connectors. Factory wired & tested. shipped loose. (See Control System Flier S189)

Also available with flat panel, open back; See Flier #S189

MOUNTING BASE: Formed steel skid base provides rigid trussing to accommodate varied mounting configurations. Equipped with captive type "floating" rubber vibration isolation mounts.

FPT ENGINES: This design is extremely successful in industrial and construction markets and is a very high volume seller in the USA. Reliability, easy starting in all kinds of weather and fuel economy are its most appreciated characteristics.

STANDARD EQUIPMENT

AC GENERATOR: Industrial quality 4-Pole brushless alternator provides important benefits: **A.)** Brushless - Eliminates brush wear and maintenance. **B.)** Low Radio Interference (RFI) factors. **C.)** 4-Pole design provides twice the amount of copper winding. Provides almost double the motor starting power when compared with 2-Pole alternators. The standard electronic automatic voltage regulator provides close voltage regulation at all engine speeds and loads, and with all types of loads; lights, heaters and motors.

AC/DC ELECTRICAL & COMPONENTS: All AC components, including the main load circuit breaker are mounted into metal generator enclosure cabinet. AC load cables connect to load terminals of the circuit breaker.

EXHAUST SYSTEM: Exhaust system including DOC and SCR are fully insulated.

AIR CLEANER: Canister type air cleaner provides a high degree of engine intake noise silencing.

TESTING & QUALITY ASSURANCE: Each genset is individually factory load tested to confirm function and performance. Vital functions and results are documented. All engine adjustments are checked after test run.

SERVICE STATEMENT: Stadco stocks a comprehensive amount of routine maintenance and repair parts at our own facility. Typically we provide same day shipment to anywhere in the USA when requested.

GENERAL:

OPTIONAL EQUIPMENT: Choose accessories from Optional Accessories List on price sheet.

PERFORMANCE RATING:

- All Stadco generator sets are individually load tested and certified by Stadco to deliver advertised performance under climatic operating conditions specified by SAEJ1349 standards.
- POWER RATING: Conforms to SAEJ1349 climatic conditions of 80°F(27°C) ambient temp, 500ft. altitude, 50% relative humidity. Operation at higher temp and/or higher altitude may require de-rating of unit output.
- NOTE: When sizing a generator for job application, all resistance loads such as lights and heaters are considered Continuous loads.**

COOLING AIR SUPPLY: Observe air flow directions and clearances as shown on Stadco sales drawings.

WARRANTY STATEMENT: Stadco Generator Systems are covered by a limited warranty policy for a term of (24) consecutive months or (2000) hours of service, whichever occurs first. See Warranty Statement D25 for full details.

INTENDED APPLICATIONS: Robust generators suitable for compartment or free standing applications. Prime power, Industrial Power, Mobile equipment, and Critical duty APU's. Please observe installation instructions from Stadco Operators manual, otherwise all Stadco warranty provisions are null and void. Weather protection is highly recommended for units that will be used or stored outdoors.

STANDARDS: Gensets quoted herein meet the following standards:

- Electrical Instrumentation: UL listed. Wiring & electrical systems: NEMA Code
- NFPA 1901
- NFPA 1917 (See power derate)
- A.C. Alternator: NEMA MGI-22 and ISO 9001
- Engine: EPA certification for applicable exhaust emissions and ISO 9001.

SAFETY NOTICES: To prevent possible accidents, which may result from the use of any generator set or system, it is important that correct procedures are followed. Installation, maintenance and operation procedures specified by STADCO and the engine manufacturer must be followed in conjunction with engineering and safety information specified. Grounding equipment, guards and other suitable safety equipment or procedures that may either be desirable or specified in safety codes should be provided to assure safe operation in the prevailing conditions.

THESE DEVICES MAY NOT BE INCLUDED WITH THE PRODUCT, AND ARE NOT THE RESPONSIBILITY OF STADCO. INSTALLER IS RESPONSIBLE FOR PROVIDING SAFETY ITEMS TO SATISFY PREVAILING SAFETY CODES.

DO NOT install STADCO generator units into installations where personnel will be confined with the operating unit; unless a separate compartment is provided for the unit.

PRODUCT SUPPORT: Single source responsibility: Stauffer Diesel Inc / Stadco is the single source, full-service supplier for Stadco generator systems. **We design it - We build it - We support it.** Purpose built with diesel engines for which we can supply complete product support.

Stadco reserves the right to change product specifications at any time without incurring obligation. These specifications supersede all previous publications.